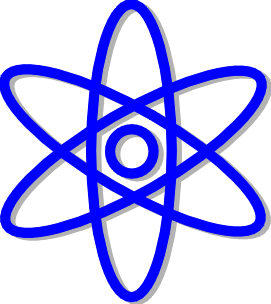
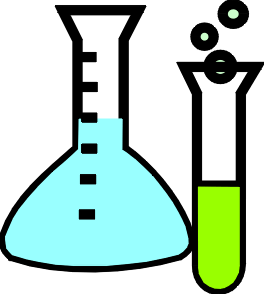
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

****

**Chemistry Syllabus**

**2017-2018**

**Washington Latin Public Charter School**

*"The scientist does not study nature because it is useful; he studies it because he delights in it, and he delights in it because it is beautiful. If nature were not beautiful, it would not be worth knowing, and if nature were not worth knowing, life would not be worth living." -Henri Poincaré*

**Teacher**: Ms. Eggleston

**Email**: [reggleston@latinpcs.org](mailto:reggleston@paulcuffee.org)

**Room**: 226

***Welcome to Chemistry!***

*My name is Ms. Eggleston and I will be teaching Chemistry at WLPCS this year. I look forward to working with you all! This syllabus will give you an overview of what we will be learning together and how my grading process works.*

**Course Essential Questions**

1. What is the world made of?
2. How is an experiment designed to test one variable and control all others?

**Course Units**

*Unit 1:* Matter and Mixtures

*Unit 2:* Atomic Structure and Theory

*Unit 3:* Periodic Table

*Unit 4:* Bonding and Formulae

*Unit 5:* Chemical Reactions

*Unit 6*: The Mole and Stoichiometry

**Materials** (to each class)

* Science **notebook**.
* **Binder** or folder.
* Pens, pencils, and/or markers in **a variety of colors.**
* **Calculator** (not as a part of any other device).

**Laboratory Expectations**

* Students will adhere to the guidelines set forth and signed in the 2017-2018 WLPCS Student and Family Handbook. This includes full compliance with dress code, behavioral standards, and academic standards.
* Students will adhere to the Flinn Laboratory Safety Contract. Students will use science equipment and materials with special care, use them only as directed, and return them in top condition. Lapses in laboratory safety will result in restricted access to lab materials and/or alternative assignments for future lab activities Lab safety violations may also result in disciplinary action.

**Specific Expectations**

* No food, drink, gum, or candy is permitted in the laboratory during any class.
* Water in a capped container is permitted at student desks unless the class is conducting a lab.
* Bags and backpacks must be rested on the floor.
* In order to participate in a lab, students must:
  + Wear closed-toed shoes.
  + Tie back long hair and remove large jewelry.
  + Properly wear safety equipment (safety glasses, aprons) as assigned.
* Students will store their cell phones in the appropriate container by the door for the duration of class. Students may not use electronic devices during class, unless under the direction of Ms. Eggleston.

**Grading**

Chemistry grades will be calculated as follows:

Lab Reports & Projects 20%

Tests 30%

Classwork/Participation 20%

Quizzes 15%

Homework 15%

*NOTE***:** *If a student is late, without a valid excuse as determined by the teacher, to an individual class more than 3 times in a quarter, on the 4th time, he/she will automatically lose 5% from his/her quarter grade. If a student is then late another 3 times, on the 8th time, he/she will lose another 5%.*

**Washington Latin Grading Scale**

|  |  |  |  |
| --- | --- | --- | --- |
| AA A | 93-100 | C+ | 77-79 |
| A- | 90-92 | C | 73-76 |
| B+ | 87-89 | C- | 70-72 |
| B | 83-86 | D | 64-69 |
| B- | 80-82 | F | 0-63 |

**Participation**

Chemistry class will be conducted using a variety of materials and instruction styles. Students are expected to participate fully in all class activities, including partnered and grouped laboratory activities, written assignments, class discussions, attention to videos and other presentations, and field trips.

Students may earn up to 5 participation points per day:

5 pts: “In Class” participation

1 – little focus and/or disruptive force

2 – inconsistent focus, no notes/volunteering

3 – inconsistent focus, some notes/volunteering

4 – focused, taking notes, occasional volunteering

5 – focused, taking notes, volunteering, ACTIVELY helping other people

**Homework**

Daily Homework

Students will be assigned daily homework, which is mandatory and will be checked periodically. The point of daily homework is to advance a student’s learning through independent practice and/or exploration. Homework and classwork are often intertwined and homework provides the catalyst for a day’s lesson. We will therefore not accept late homework. If students are absent they are expected to view the Wiki space and complete the homework.

Long-term Projects

* Because Washington Latin takes seriously our responsibility to teach students how to manage their time and plan for a long-term project, we take a different approach with anything that requires more than one or two days to complete. Students who submit a long-term project late will lose 10% initially and an additional 10% per day that it is late. After four days the maximum grade possible will be 50%.
* Students who require an extension on an assignment may make arrangements with Ms. Eggleston at least two days in advance, or as soon as possible in case of a family emergency.
* If a student misses a laboratory activity, he or she must make arrangements with Ms. Eggleston to make up the lab or complete an alternative assignment within one week of the original due date. Otherwise, he or she will receive a grade of 0 for the assignment.

**Failed Assignments**

Students are encouraged to retake and/or resubmit for a higher grade any quiz or test that they have failed. Retakes must be completed during school hours or after school by appointment, and resubmissions must be completed and submitted outside of class time. Both must be completed by the end of the unit.

**Academic Integrity**

Knowledge is too precious to be stolen. Students caught copying from other students, plagiarizing other students’ work or ideas, or submitting work that they did not create will not receive credit for that assignment and must meet with Ms. Eggleston to determine appropriate next steps.

**Internet**

Please let Ms. Eggleston know if you do not have access to a computer or internet at home.

**Extra Help**

Ms. Eggleston will be available after school **until 3:45pm** **Monday through Thursday** to provide students with extra help.

**Contacting Ms. Eggleston**

Students and parents are encouraged to contact Ms. Eggleston by email at *reggleston@latinpcs.org* at any time with any questions or requests.



**PURPOSE**

Science is a hands-on laboratory class. However, science activities may have potential hazards. We will use some equipment and animals that may be dangerous if not handled properly. Safety in the science class- room is an important part of the scientific process. To ensure a safe classroom, a list of rules has been developed and is called the Science Safety Contract. These rules must be followed at all times. Additional safety instructions will be given for each activity. No science student will be allowed to participate in science activities until this contract has been signed by both the student and a parent or guardian.

**SAFETY RULES**

1. Conduct yourself in a responsible manner at all times in the science room. Horseplay, practical jokes, and pranks will not be tolerated.
2. Follow all written and verbal instructions carefully. Ask your teacher questions if you do not understand the instructions.
3. Do not touch any equipment, supplies, animals, or other materials in the science room without permission from the teacher.
4. Perform only authorized and approved experiments. Do not conduct any experiments when the teacher is out of the room.
5. Never eat, drink, chew gum, or taste anything in the science room.
6. Keep hands away from face, eyes, and mouth while using science materials or when working with either chemicals or animals. Wash your hands with soap and water before leaving the science room.
7. Wear safety glasses or goggles when instructed. Never remove safety glasses or goggles during an experiment. There will be no exceptions to this rule!
8. Keep your work area and the science room neat and clean. Bring only your laboratory instructions, worksheets, and writing instruments to the work area.
9. Clean all work areas and equipment at the end of the experiment. Return all equipment clean and in working order to the proper storage area.
10. Follow your teacher’s instructions to dispose of any waste materials generated in an experiment.
11. Report any accident (fire, spill, break- age, etc.), injury (cut, burn, etc.), or hazardous condition (broken equipment, etc.) to the teacher immediately.
12. Consider all chemicals used in the science room to be dangerous. Do not touch or smell any chemicals unless specifically instructed to do so.
13. Handle all animals with care and respect.
    1. Open animal cages only with permission.
    2. Never handle any animals when the teacher is out of the room or remove animals from the science room.
    3. Do not tease or handle animals roughly.
    4. Keep animals away from students’ faces.
    5. Wear gloves when handling animals.
    6. Report any animal bite or scratch to the teacher immediately.
14. Always carry a microscope with both hands. Hold the arm with one hand; place the other hand under the base.
15. Treat all preserved specimens and dissecting supplies with care and respect.
    1. Do not remove preserved specimens from the science room.
    2. Use scalpels, scissors, and other sharp instruments only as instructed.
    3. Never cut any material towards you— always cut away from your body.
    4. Report any cut or scratch from sharp instruments to the teacher immediately.
16. Never open storage cabinets or enter the prep/storage room without permission from the teacher.
17. Do not remove chemicals, equipment, supplies, or animals from the science room without permission from the teacher.
18. Handle all glassware with care. Never pick up hot or broken glassware with your bare hands.
19. Use extreme caution when using matches, a burner, or hot plate. Only light burners when instructed and do not put anything into a flame unless specifically instructed to do so. Do not leave a lit burner unattended.
20. Dress properly—long hair must be tied back, no dangling jewelry, and no loose or baggy clothing. Wear aprons when instructed.
21. Learn where the safety equipment is located and how to use it. Know where the exits are located and what to do in case of an emergency or fire drill.

**AGREEMENT (please return to Ms. Eggleston)**

*Student:*

I, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, have read the syllabus for Chemistry for 2017-2018, I understand the guidelines, and I will participate in this class according to the guidelines. I understand that I may obtain a new copy at any time by asking Ms. Eggleston for one. I have also read and understand each of the above safety rules. I agree to follow them to ensure not only my own safety but also the safety of others. I understand that if I do not follow all the rules and safety precautions, I will not be allowed to participate in science activities.

Signed \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_

*Parent/Guardian:*

I, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, have read the syllabus and have confirmed that my student understands that he or she is required to participate in this class according to the guidelines given in it. I have also read the Science Safety Contract and am aware of the measures taken to ensure the safety of my child in the science classroom.

Signed \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_